

CLAIMS

1. A forward/reverse control system for a work machine,
said system being provided with a first forward/reverse control
means and second forward/reverse control means for instructing
5 forward, reverse or neutral of said work machine, a switching
instruction means for instructing a switch from a first control
state in which forward/reverse switching control is performed
by said first forward/reverse control means to a second control
state in which forward/reverse switching control is performed
10 by said second forward/reverse control means, and a control means
for controlling said work machine in accordance with an
instruction by said first forward/reverse control means, an
instruction by said second forward/reverse control means or an
instruction by said switching control means, and said control
15 means being set such that with an operation of said first
forward/reverse control means, said second control state is
cancelled to return to said first control state, wherein:

said system is provided, in addition to said first
forward/reverse control means, with a cancellation instructing
20 means for instructing a cancel of said second control state,
and

said control means is set such that in accordance with
an instruction of a cancel by said cancellation instructing means,
said second control state is cancelled to return to said first
25 control state.

2. A forward/reverse control system according to claim 1, wherein:

5 said first forward/reverse control means comprises a control lever unit having a control lever which can be shifted to a forward position that instructs forward, a reverse position that instructs reverse, or a neutral position that instructs neutral and which can be held at said forward position, reverse position or neutral position;

10 said second forward/reverse control means comprises a switch unit having a control member which can be shifted to a forward position that instructs forward, a reverse position that instructs reverse or a neutral position that instructs neutral and which can be held at said forward position, reverse position or neutral position;

15 said switching instruction means comprises another switch unit comprising said cancellation instructing means and another control member which be switched to a switching state in which a switch from said first control state to said second control state is instructed or to a cancellation state in which a cancel
20 of said second control state is instructed and which can be held in said switching state or cancellation state;

 said control means is set such that, when neutral has been already instructed by both of said first forward/reverse control means and said second forward/reverse control means upon
25 switching of said switching instruction means to said switching

state, said first control state is switched to said second control state; and

said switching instruction means is set such that, upon switching to said first control state by an operation of said first forward/reverse control means with said switching instruction means having been already switched to said switching state, any instruction by said switching instruction means is cancelled until said switching instruction means is switched to said cancellation state.

10 3. A forward/reverse control system according to claim 2, wherein:

said second forward/reverse control system is provided with a use determination means for determining whether or not said second forward/reverse control means is in use; and

15 said control means is set such that, when said switching instruction means is in a state already switched to said switching state and said second forward/reverse control means is not determined to be in use by said use determination means, said second control state is cancelled to return to said first control state.

20 4. A forward/reverse control system according to claim 3, wherein said use determination means comprises a seat occupancy detection means for detecting whether or not an operator is in occupancy of an operator's seat, and determines
25 that said second forward/reverse control means is not in use

when no seat occupancy is detected by said seat occupancy detection means.